

We Claim:

1 1. A system for draining and trapping vent condensate in a multipoise
2 furnace in which a one piece drain tee is connected to an inducer and vented
3 outwardly while the bottom of the tee contains means for connection to a tee drain
4 tube which is connected to and exits through a furnace drain trap, wherein said tee
5 includes an integral drain reservoir having a bottom drain tap, with said drain tee
6 further including means for connection to said inducer and to an outward vent.

1 2. The system of claim 1 in which said furnace is an upflow installation
2 with an internal drain tee in a top vent mode.

1 3. A system for draining and trapping vent condensate in a multipoise
2 furnace in which a combination drain tee/drain tee trap is connected to an inducer
3 and vented outwardly, wherein said drain tee further includes an integral drain
4 reservoir, and means for connection to said inducer and an outward vent, and where
5 said drain tee trap is connected to the bottom of said drain tee and includes a two
6 piece sealed trap, and water column pressure trapping means.

1 4. The system of claim 3 in which said drain tee trap includes an outlet
2 connection adapted for connection to a drain.

1 5. The system of claim 3 in which said furnace has an external left side
2 vent with said drain tee and trap.

1 6. The system of claim 3 in which said furnace has an external right side
2 vent with said drain tee and trap.

1 7. The system of claim 3 in which said furnace has a downflow
2 installation having an external left side vent.

1 8. The system of claim 3 in which said furnace has a downflow
2 installation having an external right side vent.

1 9. The system of claim 3 in which said furnace has a horizontal left
2 installation with an internal drain tee and external drain tee trap with a left side vent.

1 10. The system of claim 3 in which said furnace has a horizontal left
2 installation with an external top vent.

1 11. The system of claim 3 in which said furnace has a horizontal right
2 installation with an internal drain tee and external drain tee trap with a right side
3 vent.

1 12. The system of claim 3 in which said furnace has an external top vent.

1 13. A combination drain tee/drain tee trap suitable for use in a system for
2 draining and trapping vent condensate in a multipoise furnace wherein said drain tee
3 comprises an outer housing which includes an integral drain reservoir and bottom
4 drain trap, and means for connection to a furnace inducer and an outward vent, and
5 where said drain tee trap is connected in sealed engagement to the bottom of said
6 drain tee and includes a sealed trap, and water column pressure trapping means.

1 14. The combination drain tee/drain tee trap of claim 12 in which the
2 drain tee trap includes an outlet connection adapted for connection to a drain.